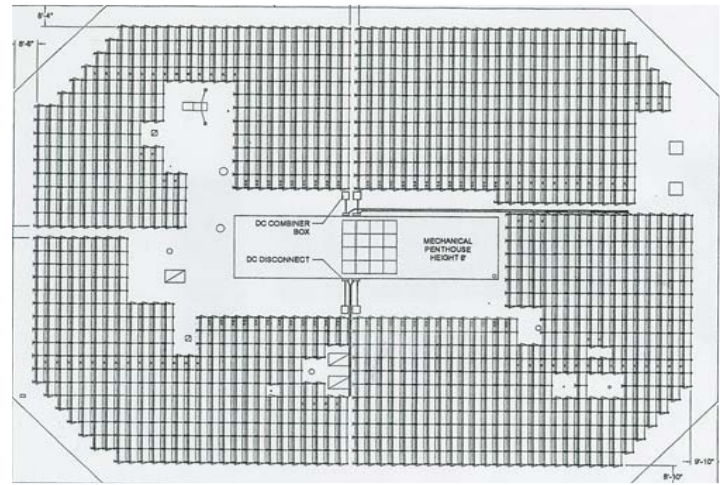




Satellite view of Export Building. A test cut reveals a metal deck, followed by fiberboard insulation, followed by a 4 ply built-up roof set in hot asphalt, followed by a heavy flood coat with an embedded gravel surfacing.



Specification calls for 1309 Sunpower SPR-210 solar modules which will produce 274 KW-STC peak power output. These non-penetrating roof tiles will be mounted on the 20 year WeatherWeld Seamless Composite System.



The first step in preparing this roof deck was to vac-broom-vac the loose gravel and embedded dirt.



Using this system, an expensive and messy tear-off, impact on landfills, as well as disruptions to normal operations is avoided. This picture shows the prepared roof surface after removal of dirt and gravel.



The next operation involves the imbedding of a polyester leveling scrim in 15 gallons of high shear emulsion.



A second generation wide face edge metal was attached to the deck. Next an SBS modified bitumen 75 mil self-adhesive membrane was flashed to the new edge metal and the leveling scrim.



After curing, the prepared surface is now ready for the first of two passes of the WeatherWeld Seamless Composite Materials. Boxes of the fiberglass gun roving are staged on the deck as seen in this photo.



The WeatherWeld crew begins the 1st pass which combines 15 gallons of high shear emulsion with 8 pounds of multi-filament, long strand fiberglass re-inforcement.



Over 7,500 pounds of fiberglass re-inforcement is being used for this project. The finished WeatherWeld membrane will have over 2.2 miles of fiberglass reinforcement per square foot yet weigh only 1.5 pounds per square foot.



Best Contracting Services stage their equipment on the west side of the facility. It will take over 21,000 gallons of emulsion (four 5,500 gallon tankers) to complete this 46,900 sq foot project.



With two applicator guns working together, approximately 25,000 sq feet of roofing can be completed in a single day. The roving and emulsion are combined to form the manufactured-in-place seamless composite membrane.



View of the completed 1st pass of the seamless composite materials. Once cured, a second application will be applied.



After curing, the WeatherWeld crew applies the 2nd and final pass of the seamless composite materials.



Mr. Tim Cashman, Property Manager for the San Diego Field Office, inspects the progress of the WeatherWeld installation.



Four random "test cuts" were made to ensure compliance with the manufacturer's specification. Once verified for compliance, the membrane is re-sealed using new seamless composite materials



The final operation involves the application of a Title 24 compliant Cool Roof membrane. A 1.5 gallon base coat is applied after the curing of the 2 passes of the WeatherWeld membrane as verified by a Delmhorst moisture meter.



View of the 2nd 1.5 gallon application of lipocryl based reflective coating. The finished WeatherWeld System has a UL Class A fire rating and a 20 year leak proof manufacturer's warranty.



The finished membrane and sealed roof jacks are in place to receive the 274 KW-STC SolarCity solar arrays.



On May 6th, a final walk for the WeatherWeld System was conducted. Present were representatives from the GSA, Hugo Alonso, the GC, Best Contracting Services, and WeatherWeld.



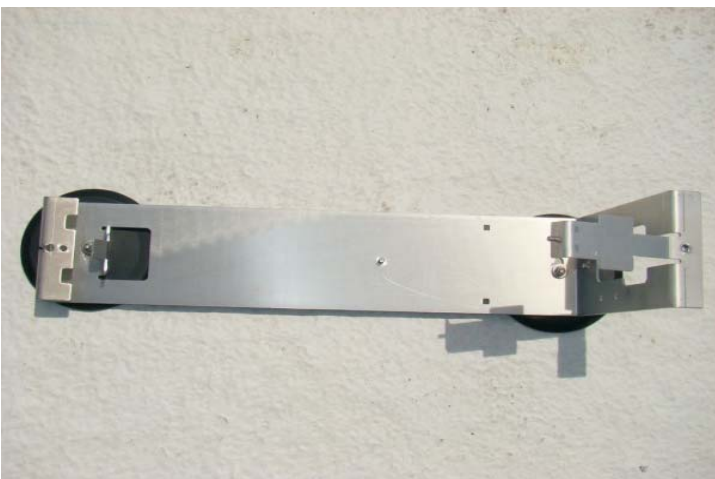
Storage containers with the SunPower PV components are staged on the south side of the Export Building.



A scissor lift brings a pallet of the SunPower SPR-210 solar panels onto a rooftop dolly.



Panels are laid out in rows on the east face of the building.



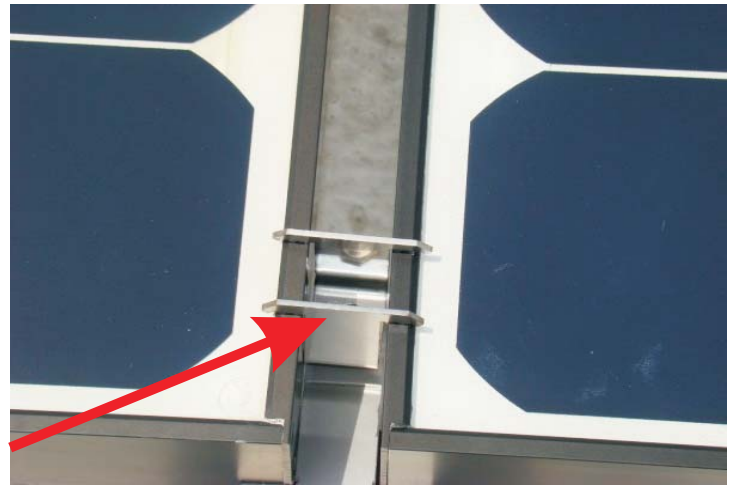
Closeup view of non-penetrating "footing" which will hold the solar panel on the deck.



Designed for fast and easy installation, T10 solar tiles are non-penetrating and lightweight, highly durable, and resistant to high wind speeds up to 120 mph (193 km/h).



The SunPower T10 Solar Roof Tile tilts at a 10-degree angle to increase energy capture.



Panels quickly snap into place and are secured with a screw fastened clip. Concrete ballast bricks will be added to the rear of the arrays at the end of the installation process.



Chris Edgett, Director of Commercial Projects for SolarCity has assigned Jimmy Bergeron to oversee the installation of the PV rooftop elements.



View of low profile panels on the west field of the roof.



View look SE from the penthouse rooftop. At the end of day 4, approximately 75% of the 1309 Solar Panels had been connected to their rooftop framing members.



At the SW corner of the dock, a SolarCity electrician is installing the A/C electric disconnect panel.